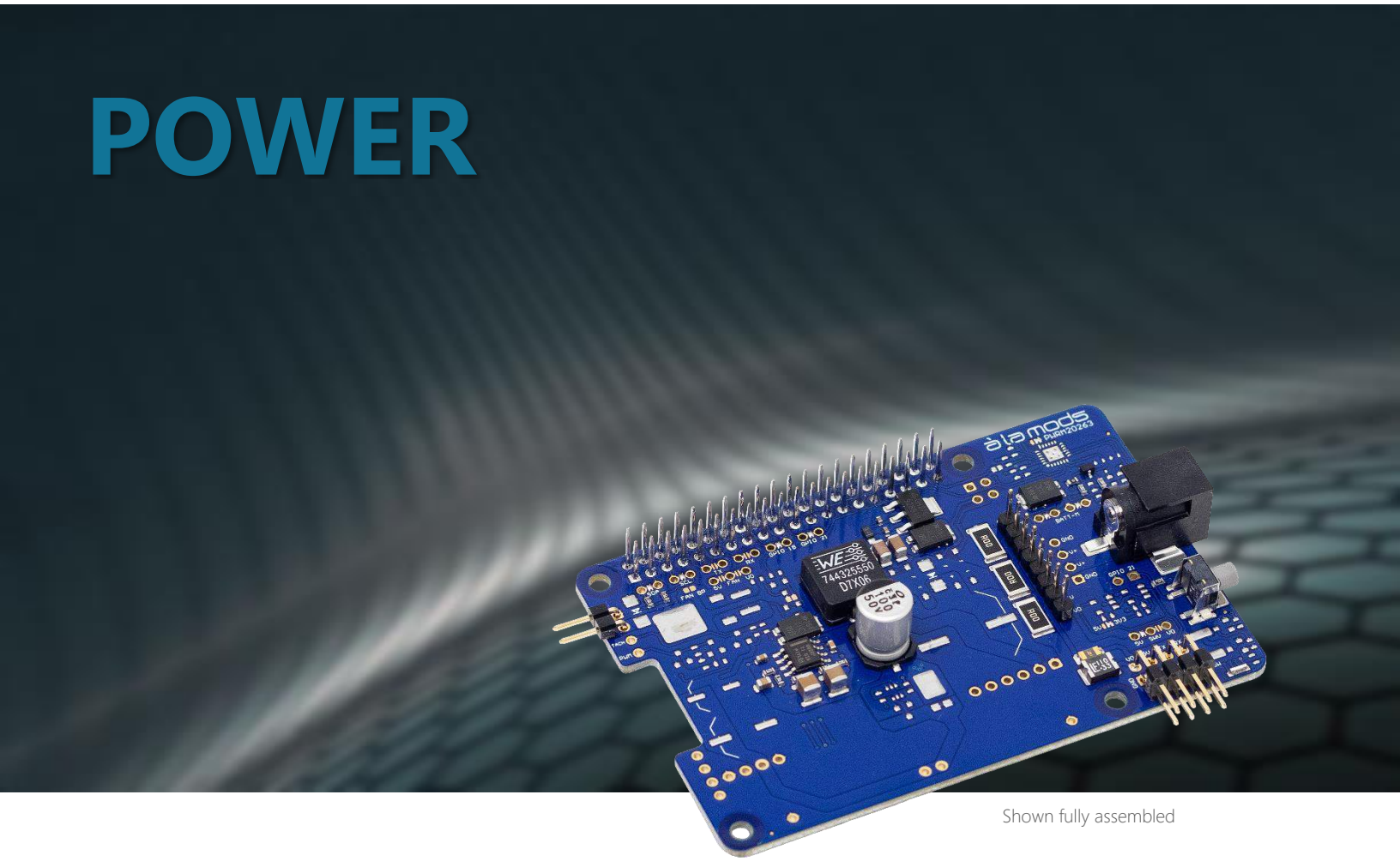
POWER



Shown fully assembled

A power supply designed specifically for the Raspberry Pi and the à la mods peripheral stack of modules. This power supply provides several output voltages with plenty of power for the Raspberry Pi 4 and additional accessories. It also supports a wide input range (7 – 36 Vdc).

- Dual or Triple output tap power module
- Enough power for the SBC and other add-on modules
- Stackable à la mods symmetrical power bus
- Selectable power configurations
- Independent power monitoring for each output
- I^2C bus interface for power monitoring interface
- DC Fan interface – voltage selectable
- Standard Raspberry PI® 40 pin header pinout
- Uses < 10mA at 3.3V which can be sourced by SBC or internally
- Indicator LED connected to pin 22 GPIO25

SPECIFICATIONS

Input Vin	7 – 36 (Vdc)
Input Interface	2.1 x 5.5 mm center positive DC barrel jack
Outputs	3.3 (Vdc) @ 800 (mA) [1, 2] – power bus port 0 - LDO 5V input 5.0 (Vdc) @ 2/3.5 (A) – power bus port 1 - TI LMR14050 switch mode power Vo (direct connect to Vin) – power bus port 2
Power	10 (mA_{max}) @ 3.3 Vdc
Communication Interface [1]	I^2C bus (Raspberry Pi® header pins 3 GPIO02 & 5 GPIO03)
Power Monitoring [1]	INA226 Current and Power Monitor IC Vo (Vdc) I^2C addr 0x40 5.0 (Vdc) I^2C addr 0x41 3.3 (Vdc) I^2C addr 0x44
Operating Temp	0 °C to +50 °C Ambient
L x W	3.35 x 2.20 (85.0 x 56.0 mm)
Height (above pcb)	0.44 (11.1 mm)
Mounting	Tall connector (17 mm standoffs)

1 Not available on Basic model
2 LDO supplied by 5V power source

ORDERING DETAILS

ORDER NO.	POWER	OUTPUTS	DESCRIPTION
PWRM20263 – 20W *	20 W	5V @ 4 (A_{max}), VO @ 4 (A_{max})	20W basic DC-DC power supply
PWRM20263 – 20W-PM *	***available soon***		

* includes 2x20 pin Tall Female Header Connector & 8 pin Male Header Connector